

IN THE CLAIMS:

The following is a complete listing of the claims, reflects all changes currently being made thereto, and replaces all earlier listings and versions:

1. - 86. (canceled).

87. (currently amended): A computer program product having a computer readable medium storing a printer driver program for performing processing of image data to be transmitted to a printer, said program comprising:

processing modules;

a database including ~~plural process~~ actual tables corresponding to table IDs used by said processing modules and a ~~[[mode]] search~~ table which specifies a first process table and a second process table, including the tables IDs required by said processing modules the first process table and the second process table both corresponding to a print mode; and

a ~~program~~ search module for searching the ~~[[mode]] search~~ table to find first and second process tables obtain the table IDs corresponding to a ~~designated~~ the print mode,

wherein one of said processing modules searches for the actual tables by means of the table IDs obtained by said search module, loads the actual tables and performs a process using the loaded actual tables ~~loading the found first process table and the second process table corresponding to the designated printing mode from said database, and performing a first process and a second process using the loaded first and second process tables, respectively.~~

88. (currently amended): The computer program product according to claim 87, wherein ~~said plural process~~ the actual tables include color correction tables and said ~~program~~ one of said processing modules loads a color correction table corresponding to the ~~designated~~ printing mode from said database and performs color correction processing using the loaded color correction table.

89. (currently amended): The computer product according to claim 87, wherein said ~~plural process~~ actual tables include color conversion tables and said ~~program~~ one of said processing modules loads a color conversion table corresponding to the designated printing mode from said database and performs color conversion processing using the loaded color conversion table.

90. (currently amended): The computer program product according to claim 87, wherein said ~~plural process~~ the actual tables include grayscale correction tables and said ~~program~~ one of said processing modules loads a grayscale correction table corresponding to ~~the designated~~ a printing mode from said database and performs grayscale correction processing using the loaded grayscale correction table.

91. (currently amended): The computer program product according to claim 87, wherein said ~~plural process~~ the actual tables include dither matrix tables and said ~~program~~ one of said processing modules loads a dither matrix table corresponding to ~~the designated~~ a printing mode from said database and performs dither processing using the loaded dither matrix table.

92. (currently amended): ~~A~~ The computer program product ~~according to claim 87 comprising a computer readable medium storing a print driver program for~~ performing procession of image data to be transmitted to a printer, said program comprising:

processing modules;

a database including actual tables corresponding to table IDs used by said processing modules and a search table including the table IDs required by said processing modules corresponding to a print mode; and

a search module for searching the search table to obtain the table IDs corresponding to a print mode,

wherein said ~~plural-process~~ actual tables include margin tables and said program processing module searches for [[loads]] a margin table corresponding to the designated a printing mode from said database, loads the margin table and performs margin processing using the loaded margin table.

93. (currently amended): A data processing method for a printer driver which performs processing of image data to be transmitted to a printer and comprises processing modules, a database including ~~plural-process~~ actual tables[[.]] corresponding to table IDs used by the processing modules and a [[mode]] search table which specifies a first process table and a second process table including the tables IDs required by the processing modules corresponding to a print mode and a ~~program~~ search module, said method comprising:

a searching step of the search module searching the search table to obtain the table IDs corresponding to a print mode;

a loading step of searching the [[mode]] actual tables by means of the table IDs obtained in said searching step and loading the actual tables to find first and second process tables, the first process table and the second process table both corresponding to a

~~designated print mode, and loading the found first process table and a second process table corresponding to the designated condition from said database; and~~

a performing step of performing a first process ~~and a second process~~ using the loaded first ~~and the second process~~ actual tables; respectively.

94. (currently amended): The data processing method according to claim 93, wherein the ~~plural process~~ actual tables include color correction tables, said loading step includes loading a color correction table corresponding to the ~~designated~~ printing mode from the database and said performing step includes performing color correction processing using the loaded color correction table.

95. (currently amended): The data processing method according to claim 93, wherein the ~~plural process~~ actual tables include color conversion tables, said loading step includes loading a color conversion table corresponding to the ~~designated~~ printing mode from the database and said performing step includes performing color conversion processing using the loaded color conversion table.

96. (currently amended): The data processing method according to claim 93, wherein the ~~plural process~~ actual tables include grayscale correction tables, said loading step includes loading a grayscale correction table corresponding to the ~~designated a~~ printing mode from the database and said performing step includes performing grayscale correction processing using the loaded grayscale correction table.

97. (currently amended): The data processing method according to claim 93, wherein the ~~plural process~~ actual tables include dither matrix tables, said loading step includes loading a dither matrix table corresponding to the ~~designated~~ printing mode from the database and said performing step includes performing dither processing using the loaded dither matrix table.

98. (currently amended): ~~A~~ The data processing method according to claim 93 for a printer driver which performs processing of image data to be transmitted to a printer and comprises processing modules, a database including actual tables corresponding to table IDs used by the processing modules and a search table including the tables IDs required by the processing modules corresponding to a print mode and a search module, wherein the ~~plural process~~ actual tables include [[a]] margin tables, said method comprising:

a searching step that includes the search module searching for a margin table that corresponds to the print mode from the database;

a loading step that includes loading [[a]] the margin table corresponding to the designated printing mode from the database found in said searching step; and

said a performing step that includes performing margin processing using the loaded margin table.

99. (currently amended): A computer having a printer driver which performs processing of image data to be transmitted to a printer, said computer comprising:  
memory storing processing modules;

a processor for executing said processing modules;

a database including ~~plural-process~~ actual tables corresponding to table IDs used by said processing modules and a ~~[[mode]]~~ search table ~~which specifies a first process table and a second process table, including the tables IDs required by said processing modules~~ the first process table and the second process table both corresponding to a print mode; and

a program search module executed by said processor, for searching the ~~[[mode]]~~ search table to ~~find first and second process tables~~ obtain the table IDs corresponding to a ~~designated~~ the print mode,

wherein said processor, executing one of said processing modules, searches for the actual tables by means of the table IDs obtained by execution of said search module, loads the actual tables and performs a process using the loaded actual tables~~loading the found first process table and the second process table corresponding to the designated printing mode from said database, and performing a first process and a second process using the loaded first and second process tables; respectively.~~

100. (currently amended): The computer according to claim 99, wherein said ~~plural-process~~ actual tables include color correction tables and said processor, executing said program search module, loads a color correction table corresponding to the designated printing mode from said database and performs color correction processing using the loaded color correction table.

101. (currently amended): The computer according to claim 99, wherein said ~~plural process~~ actual tables include color conversion tables and said processor, executing said program search module, loads a color conversion table corresponding to the designated printing mode from said database and performs color conversion processing using the loaded color conversion table.

102. (currently amended): The computer according to claim 99, wherein said ~~plural process~~ actual tables include grayscale correction tables and said processor, executing said program search module, loads a grayscale correction table corresponding to the designated printing mode from said database and performs grayscale correction processing using the loaded grayscale correction table.

103.(currently amended): The computer according to claim 99, wherein said ~~plural process~~ actual tables include dither matrix tables and said processor, executing said program search module, loads a dither matrix table corresponding to the designated printing mode from said database and performs dither processing using the loaded dither matrix table.

104. (currently amended): ~~A~~ The computer according to claim 99 having a printer driver which performs processing of image data to be transmitted to a printer, said computer comprising:

memory storing processing modules;

a processor for executing said processing modules;



a database including actual tables corresponding to table IDs used by said processing modules and a search table, including the tables IDs required by said processing modules corresponding to a print mode; and

a search module executed by said processor, for searching the search table to obtain the table IDs corresponding to the print mode,

wherein said ~~plural process~~ actual tables include margin tables and said processor in executing said program search module loads a margin table corresponding to the designated printing mode from said database and performs margin processing using the loaded margin table.

105. (currently amended): A The computer program product according to claim 87 comprising a computer readable medium storing a printer drive program for performing processing of image data to be transmitted to a printer, said program comprising:

processing modules;

a database including the actual tables corresponding to table IDs used by said processing modules and a search table including the table IDs required by said processing modules corresponding to a print mode; and

a search module for searching the search table to get the table IDs corresponding to a print mode,

wherein one of said processing modules searches the actual tables by the table IDs gotten by said search module, loads the actual tables and performs a process using the loaded actual table, and

wherein the printing mode is determined by plural conditions including paper type, quantization method and print quality, and the ~~plural process~~ actual tables include a color correction table, a color conversion table, a grayscale correction table and a quantization table.

106. (currently amended): ~~Δ The~~ data processing method ~~according to Claim 93~~ for a printer driver which performs processing of image data to be transmitted to a printer and comprises processing modules, a database including actual tables corresponding to table IDs used by the processing modules and a search table including the tables IDs required by the processing modules corresponding to a print mode and a search module, said method comprising:

a searching step of the search module searching the search table to obtain the table IDs corresponding to a print mode;

a loading step of searching the actual tables by means of the table IDs obtained in said searching step and loading the actual tables; and

a performing step of performing a process using the loaded actual tables,

wherein the ~~printing~~ mode is determined by plural conditions including paper type, quantization method and print quality, and the ~~plural process~~ actual tables include a color correction table, a color conversion table, a grayscale correction table and a quantization table.

107. (currently amended): Δ The computer according to Claim 99 having a printer driver which performs processing of image data to be transmitted to a printer, said computer comprising:

memory storing processing modules;

a processor for executing said processing modules;

a database including actual tables corresponding to table IDs used by said processing modules and a search table, including the tables IDs required by said processing modules corresponding to a print mode; and

a search module executed by said processor, for searching the search table to obtain the table IDs corresponding to the print mode,

wherein said processor, executing one of said processing modules, searches for the actual tables by means of the table IDs obtained by execution of said search module, loads the actual tables and performs a process using the loaded actual tables,

wherein the printing mode is determined by plural conditions including paper type, quantization method and print quality, and the ~~plural process~~ actual tables include a color correction table, a color conversion table, a grayscale correction table and a quantization table.

108. (previously presented): An image processing method for use in an image processing apparatus having a database containing a search table that includes a plurality of first actual tables, a plurality of second actual tables and IDs for specifying a first table and a second table corresponding to a mode, the plurality of first and second

actual tables being independent from a processing module that performs a process for image data to be printed, said method comprising the steps of:

searching an ID of a first table and an ID of a second table corresponding to a mode from the database;

loading the found IDs;

loading a first table and a second table corresponding to loaded IDs from the database; and

performing a first process and a second process for an image data to be printed using the first table and the second table loaded.

109. (previously presented): An information processing method performed in an information processing apparatus having a printer driver generating a print image to be printed by a printer, the printer driver having a database containing (i) a plurality of look-up tables including a color correction look-up table and a color conversion look-up table independent from a processing module that performs a process for a print image to be printed by the printer and (ii) a search look-up table for searching a look-up table required corresponding to a print mode, said method comprising the steps of:

searching table IDs of look-up tables required corresponding to the print mode using the search look-up table contained in the database;

loading the found IDs;

loading look-up tables from the database to a memory in accordance with the table IDs searched in said searching step to perform a color correction using the loaded look-up tables; and

loading look-up tables from the database to a memory in accordance with the table IDs searched in said searching step to perform a color conversion using the loaded look-up tables.

110. (previously presented): An information processing method performed in an information processing apparatus having a printer driver generating a print image to be printed by a printer, the printer driver having a database containing (i) a plurality of look-up tables including a gray-scale correction look-up table and a quantization look-up table independent from a processing module that performs a process for a print image to be printed by the printer and (ii) a search look-up table for searching a look-up table required corresponding to a print mode, said method comprising the steps of:

searching table IDs of look-up tables required corresponding to the print mode using the search look-up table contained in the database;

loading the found IDs;

loading look-up tables from the database to a memory in accordance with the table IDs searched in said searching step to perform a gray-scale correction using the loaded look-up tables; and

loading look-up tables from the database to a memory in accordance with the table IDs searched in said searching step to perform a quantization using the loaded look-up tables.

*Note regarding the status identifier on Claims 108-110: Those claims were added in the Preliminary Amendment filed October 5, 2006, which was received by the Office too late to be considered by the Examiner in preparing the outstanding Office Action; since that Preliminary Amendment is present in PAIR, and there is no indication that the changes there directed (the addition of Claims 108-110) have not been entered, it is assumed that "previously presented" is the correct identifier for Those claims herein. If that is not the case, the Office is invited to contact Applicants' undersigned attorney as indicated at the last page of the Remarks, to request a corrected claims listing with other status identifiers.*